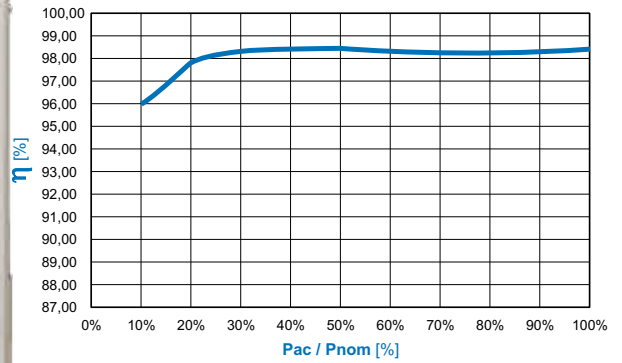


Sizes APV250k/270k/330k-TL • Dimensions and weight - Technical data



	APV-250k-TL (without transf.)	APV-270k-T (without transf.)	APV-330k-T (without transf.)
Rated power (AC side)	250 kW	270 kW	330 kW

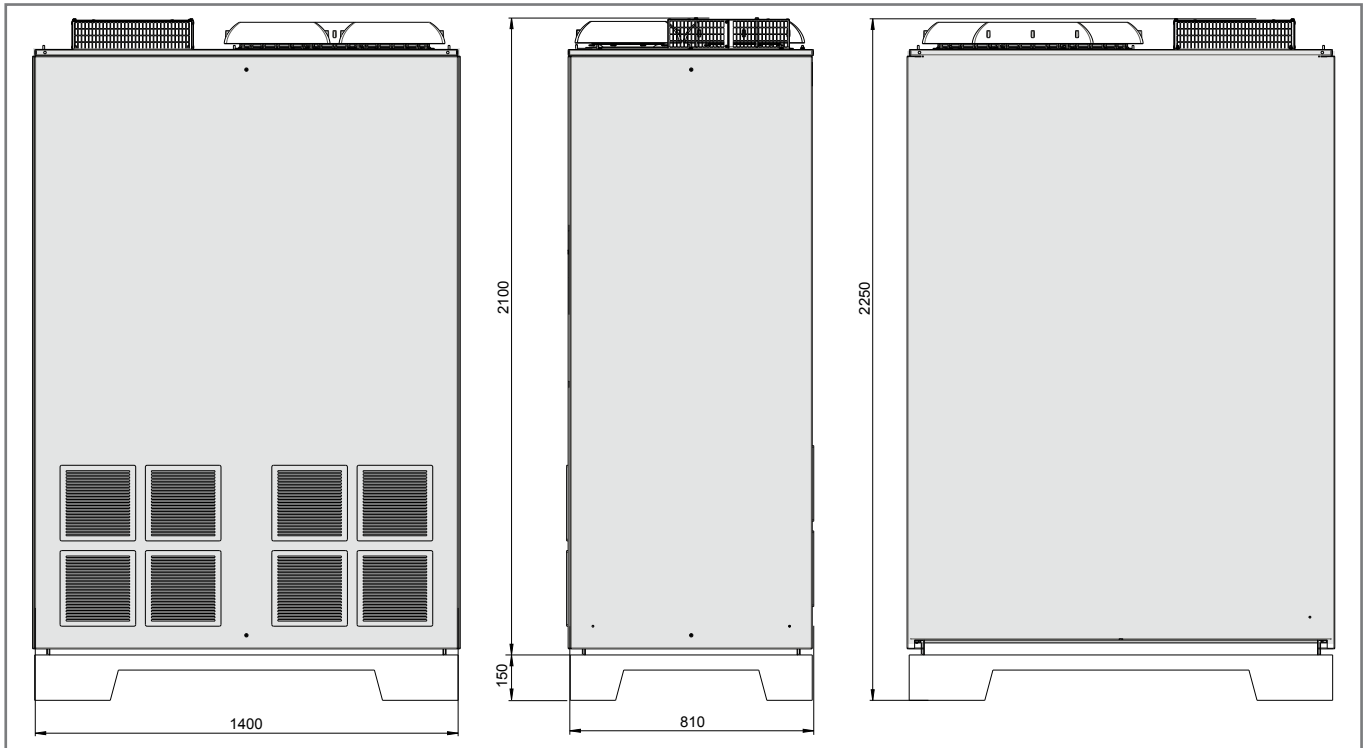
Efficiency curve



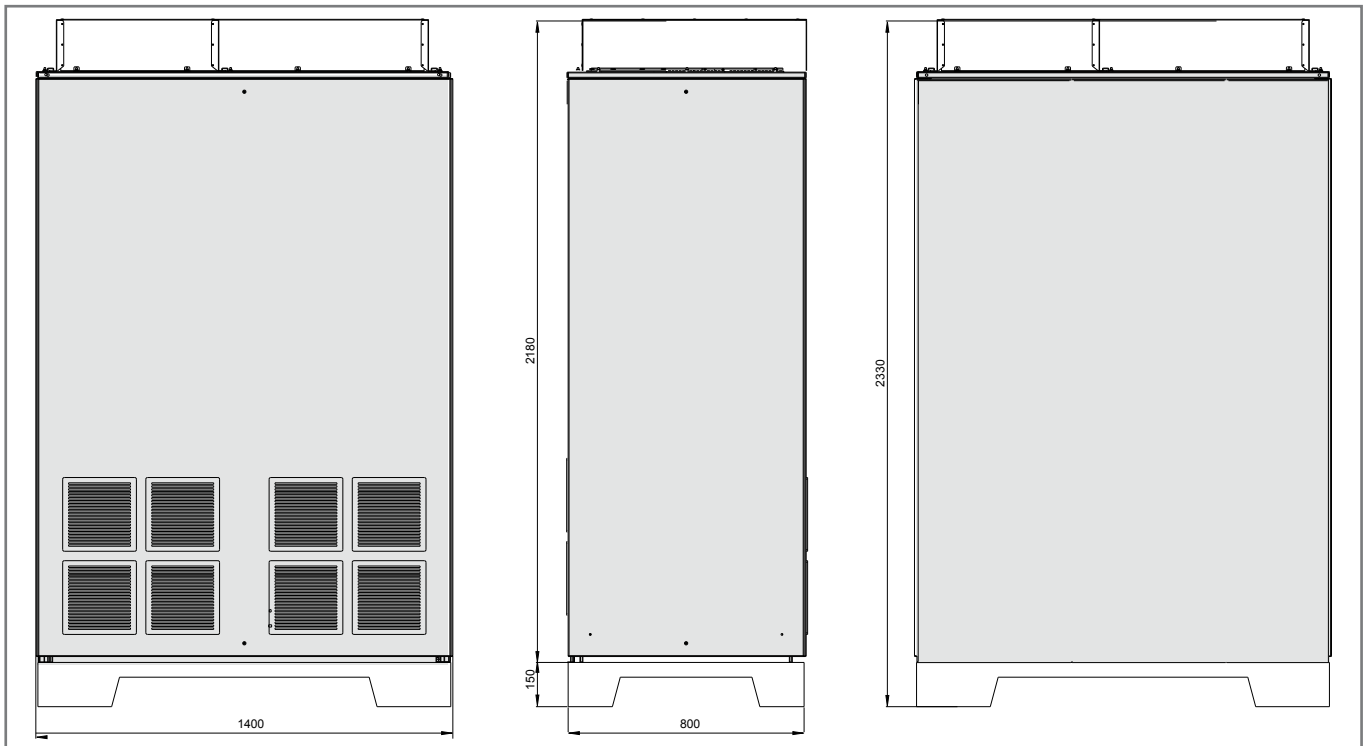
@500Vdc — APV330-TL

5 years
warranty

Dimensions and weight



Model			APV250k/270k-TL	APV330k-TL
Dimensions:		[mm]	1400 x 2250 x 800	1400 x 2250 x 800
	Width x Height x Depth	[inches]		
Weight		kg [lbs]	965	1080



Solution with cabinet hood.

Model			APV250k/270k-TL-...-V	APV330k-TL-...-V
Dimensions:		[mm]	1400 x 2330 x 800	1400 x 2330 x 800
	Width x Height x Depth	[inches]		
Weight		kg [lbs]	965	1080

Technical data

Central Inverter - Model			APV250k-TL-M-RP	APV270k-TL-M-RP	APV330k-TL-M-RP
DC INPUT					
MPPT voltage range	U _{DC}	[V]	483...850	483...850	500...850
Minimum operating voltage	U _{DC min}	[V]	450	450	450
Maximum voltage allowed	U _{DC max}	[V]	1000 (1)	1000 (1)	1000 (1)
Maximum current allowed	I _{DC max}	[A]	531	573	677
AC OUTPUT					
Rated power (1)		[kW]	250	270	330
Rated Output voltage	U _{AC nom}	[V]	290	290	320
Maximum current	I _{AC max}	[A]	497	540	600
Short circuit current (= 1.5*I _n)	I _{SC}	[A]	746	810	900
Grid frequency	f _{AC}	[Hz]	50	50	50
Harmonic distortion	THD grid	[%]	≤ 3	≤ 3	≤ 3
Power factor at rated power	cosphi		0.99	0.99	0.99
Adjustable power factor	cosphi		from -0.9 to +0.9	from -0.9 to +0.9	from -0.9 to +0.9
EFFICIENCY RATING					
Maximum efficiency (3)		[%]	98.3	98.3	98.45
European efficiency (Euro-ETA) (3)		[%]	97.7	97.7	98.0
GENERAL DATA					
Protection class			IP20	IP20	IP20
Power switch on AC side			yes	yes	yes
Power switch on DC side			yes	yes	yes
Reverse polarity protection diodes on DC side			yes	yes	yes
Ground fault monitoring			optional	optional	optional
Overcurrent protection	AC side		yes	yes	yes
	DC side		optional (2)	optional (2)	yes (2)
Overvoltage protection	AC side		no	no	no
	DC side		optional	optional	optional
Remote plant monitoring			optional		
Ground kit			optional (1)		
Ambient temperature range (without power derating)		[°C]	from -10 °C to + 50 °C		
Requested air flow (input)		[m ³ /h]	5000		
Cooling			Thermostatically-controlled		
Relative humidity of air		[%]	from 5% to 85% without condensation		
Maximum altitude		[m]	1000 m (2000 m with derating)		
Topology			Without transformer		
Certification			CE; BDEW; RD 1565/2010, P.O. 12.3.		

(1) For string configurations, maximum recommended V_{dc} voltage 965V. If using the ground kit, maximum V_{dc} = 900V.

(2) Only APV...-IF versions (4+4 inputs with 160 A fuses for 250 kW and 270 kW, 5+5 for 330 kW).

(3) Efficiency refers to values calculated at 500 V_{dc} (at 25°C), excluding auxiliary power supply.